Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently amended) Process A process for supplying printing ink to and educing printing ink from a squeegee device (1) of an inking system on a rotary printing press[[,]] which comprises that has a squeegee blade carrier, provided with a longitudinally running trough, with squeegee blades that are adjustable on a form inking roller or on an anilox roller, which, together with the form inking roller and the trough[[,]] delimit provide an ink chamber, and comprise has lines and first and second pumping devices (3, 4) powered by motors for supplying and educing the ink into to and out of from the ink chamber,

thus characterized that

motors are used whose parameters have been preset and which do not change during operation of the motors and that, when required, comprising presetting pump operational parameters of the motors such that a flow rate ratio between the first pumping device and the second pumping device is fixed and on demand diverting from an ink feed line a portion of the ink from the ink stream supplied that feeds the ink to the squeegee device is channeled off a portion of the feed ink and/or diverting from an ink return line a portion of the ink from the ink stream led away

that removes the ink from the squeegee device is rechanneled to the feed line (2) a portion of the return ink.

- 2. (Currently amended) Device for implementing A device adapted to implement the process in accordance with claim 1, thus characterized that at least one line (12) branches off from the feed line (2) wherein the feed ink is diverted through a bypass line that departs from the feed line.
- 3. (Currently amended) Device The device in accordance with claim
- 2, thus characterized that wherein the bypass line (12) leads back to the an ink tank (8).
- 4. (Currently amended) Device for implementing A device adapted to implement the process in accordance with claim 1, thus characterized that at least one line (27) leads from the pressure side of the vacuum pump (4) wherein the return ink is diverted through a bypass line that departs from the return line and connects to the feed line (2) of the squeegee device (1).
- 5. (Currently amended) Device The device in accordance with claim
- 2, thus characterized that further comprising a throughflow regulating valve (13, 26, 29) and/or a cutout valve (11, 28) is arranged provided in at least one of the feed line (2, 12, 27) and the bypass line.

- 6. (Currently amended) Device The device in accordance with claim 5, thus characterized that, for monitoring the further comprising a sensor that monitors a quantity of the ink present in the squeegee device (1), a sensor is provided whose and signals are processed through a closed loop control circuit that regulates the throughflow regulating valve (13, 26, 29) in such a manner that the quantity of ink circulating in the squeegee device (1) is always maintained within specified limits.
- 7. (Currently amended) Device for implementing A device adapted to implement the process in accordance with claim 1, thus characterized that wherein the two first and second pumping devices (3, 4) comprise two chambers are each a chamber of a double diaphragm pump with only one driven by a single drive shaft.
- 8. (New) The device in accordance with claim 7, wherein a first chamber is an ink feed chamber and a second chamber is an ink return chamber.
- 9. (New) The device in accordance with claim 8, wherein the ink feed chamber has a volumetric capacity that is equal to a volumetric capacity of the ink return chamber.

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- 10. (New) The device in accordance with claim 8, wherein the ink feed chamber has a volumetric capacity that is greater than a volumetric capacity of the ink return chamber.
- 11. (New) The device in accordance with claim 8, wherein the ink return chamber has a volumetric capacity that is greater than a volumetric capacity of the ink feed chamber.
- 12. (New) The process in accordance with claim 1, wherein a volumetric flow rate of the return ink that is removed from the squeegee device is greater than a volumetric flow rate of the feed ink on a discharge side of the pumping device that pumps the feed ink.
- 13. (New) The process in accordance with claim 12, wherein the return ink that is removed from the squeegee device is enriched with air.
- 14. (New) The process in accordance with claim 1, wherein a volume of the feed ink that is diverted from the ink feed line is such that the flow rate ratio corresponds to a volume pumped by the pumping devices.
- 15. (New) The device in accordance with claim 4, wherein the return line leads to the ink tank.

- 16. (New) The process in accordance with claim 1, wherein the step of diverting the portion of the feed ink or the step of diverting the portion of the return ink is performed during the inking operation of the squeegee device.
- 17. (New) A device that delivers ink to and from a closed squeegee device of a rotary printing unit inking system, comprising:
- a first and a second pumping device in which a flow rate ratio between the first pumping device and the second pumping device is fixed;
- a first bypass line configured to controllably divert from an ink feed line that feeds the ink to the squeegee device a portion of the feed ink; and
- a second bypass line configured to controllably divert from an ink return line that removes the ink from the squeegee device a portion of the return ink.
- 18. (New) The device according to claim 17, wherein the first bypass line departs from the ink feed line on a discharge side of the first pumping device and communicates the diverted feed ink to an ink tank that is in communication through an ink suction line with a suction side of the first pumping device.

- 19. (New) The device according to claim 17, wherein the second bypass line departs from the return line on a discharge side of the second pumping device and communicates the diverted return ink to the ink feed line at a location between the first bypass line and the squeegee device.
- 20. (New) The device according to claim 17, wherein the first pumping device is an ink feed chamber and the second pumping device is an ink return chamber of a double diaphragm pump.
- 21. (New) The device according to claim 20, wherein the ink feed chamber has a volumetric capacity that is equal to or greater than a volumetric capacity of the ink return chamber.
- 22. (New) The device according to claim 17, wherein a volume of the feed ink that is diverted from the ink feed line is such that the flow rate ratio corresponds to a volume pumped by the pumping devices.
- 23. (New) A device that delivers ink to and from a closed squeegee device of a rotary printing unit inking system, comprising:

a double diaphragm pump including an ink feed chamber and an ink return chamber in which a flow rate ratio between the ink feed chamber and the ink return chamber is fixed;

a first bypass line configured to controllably divert from an ink feed line that feeds the ink to the squeegee device a portion of the feed ink, the first bypass line departing from the ink feed line on a discharge side of the ink feed chamber and communicating the diverted feed ink to an ink tank that is in communication through an ink suction line with a suction side of the ink feed chamber; and

a second bypass line configured to controllably divert from an ink return line that removes the ink from the squeegee device a portion of the return ink, the second bypass line departing from the return line on a discharge side of the ink return chamber and communicating the diverted return ink to the ink feed line at a location between the first bypass line and the squeegee device.

- 24. (New) The device according to claim 23, further comprising a throughflow regulating valve and/or a cutout valve provided in at least one of the ink feed line, the first bypass line, and the second bypass line.
- 25. (New) The device according to claim 24, further comprising a sensor that monitors a quantity of the ink present in the squeegee device and signals a control circuit that regulates the throughflow regulating valve such that the quantity of ink in the squeegee device is maintained within a specified limit.